

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 4936 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 6 2012

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1 Front

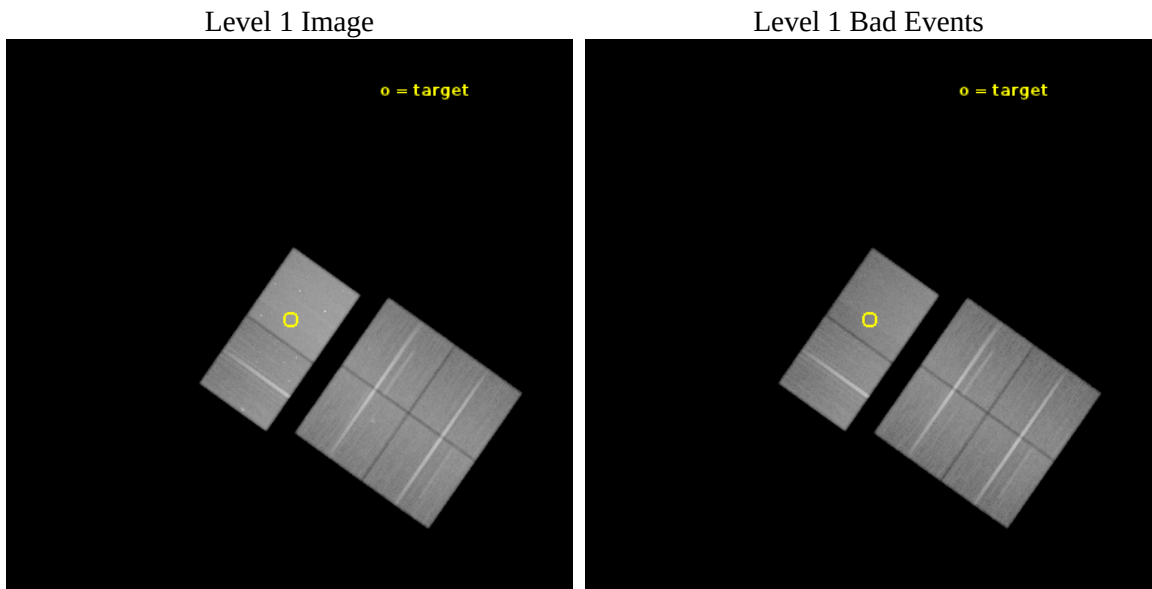
seq_num	800387	Sequence number
obs_id	4936	Observation id
title	Chandra ACIS-S observation of the high-redshift cluster RX J105343+5735	Proposal title
observer	Dr. Peter Predehl	Principal investigator
object	RX J105343+5735	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	163.429167	Observer's specified target RA [deg]
dec_targ	57.583333	Observer's specified target Dec [deg]
ra_nom	163.4368270156	Nominal RA [deg]
dec_nom	57.574558905801	Nominal Dec [deg]
roll_nom	305.15015866397	Nominal Roll [deg]
revision	3	Processing version of data
ontime	93420.79965198	Sum of GTIs [s]
livetime	92237.849235535	Livetime [s]
ontime0	93420.79965198	Sum of GTIs [s]
ontime1	93420.79965198	Sum of GTIs [s]
ontime2	93420.79965198	Sum of GTIs [s]
ontime3	93420.79965198	Sum of GTIs [s]
ontime6	93420.79965198	Sum of GTIs [s]
ontime7	93420.79965198	Sum of GTIs [s]
l2events	801327	Number of level 2 events



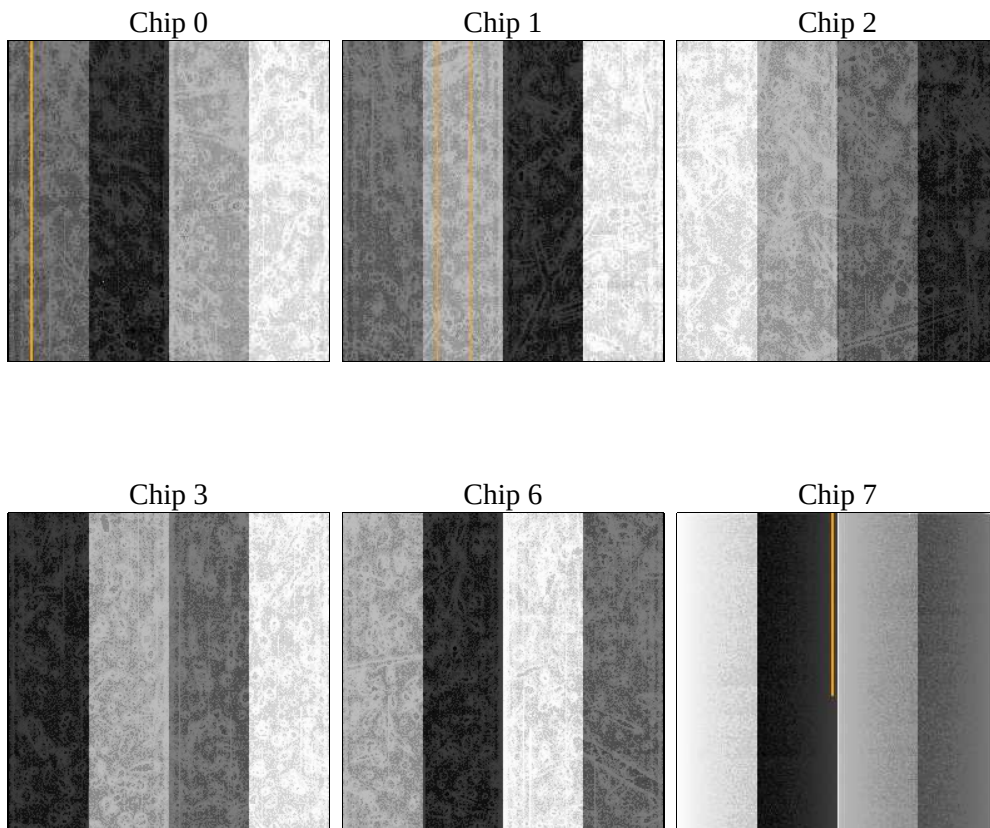
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	93269.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	93420.79965198	Sum of GTIs [s]
caldsver	4.5.4	 	ontime0	93420.79965198	Sum of GTIs [s]
date	2012-12-06T15:19:28	Date and time of file creation	ontime1	93420.79965198	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	93420.79965198	Sum of GTIs [s]
			ontime3	93420.79965198	Sum of GTIs [s]
			ontime6	93420.79965198	Sum of GTIs [s]
			ontime7	93420.79965198	Sum of GTIs [s]
			l1events	4070226	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	616903	594008	652916	635878	677892	892629	grade 0 events	41587	38969	45490	41858	44096	38694
rejected events	522463	497622	557823	543069	577053	500121		6%	6%	6%	6%	6%	4%
rejected %	84%	83%	85%	85%	85%	56%	grade 1 events	428	309	455	421	376	843
								0%	0%	0%	0%	0%	0%
							grade 2 events	21690	23467	19471	19830	22885	78158
								3%	3%	2%	3%	3%	8%
							grade 3 events	7751	8138	7428	7664	7870	34585
								1%	1%	1%	1%	1%	3%
							grade 4 events	7202	8202	7728	7770	7900	34342
								1%	1%	1%	1%	1%	3%
							grade 5 events	26608	26259	24338	28253	29768	81646
								4%	4%	3%	4%	4%	9%
							grade 6 events	16674	18106	15408	16136	18580	208392
								2%	3%	2%	2%	2%	23%
							grade 7 events	494963	470558	532598	513946	546417	415969
								80%	79%	81%	80%	80%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	163.390426	163.4368270156018	Subarray requested	NONE	NONE
[deg] Pointing Dec	57.585671	57.57455890580145	Alternating exposures requested	N	N
[deg] Pointing Roll	305.032705	305.1501586639657	[s] Primary exposure time	0.000000	3.2
[deg] Roll angle	290.000000	290.000000			
[deg] Roll tolerance	15.000000	15.000000			
Roll constraint allows 180D rotation	N	N			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	207078743.184000	207077480.49243			
Observation start date	2004-07-24T17:51:19	2004-07-24T17:31:20			
[s] Observation end time (MET)	207172012.184000	207172664.04666			
Observation end date	2004-07-25T19:45:48	2004-07-25T19:57:44			
Read mode	TIMED	TIMED			

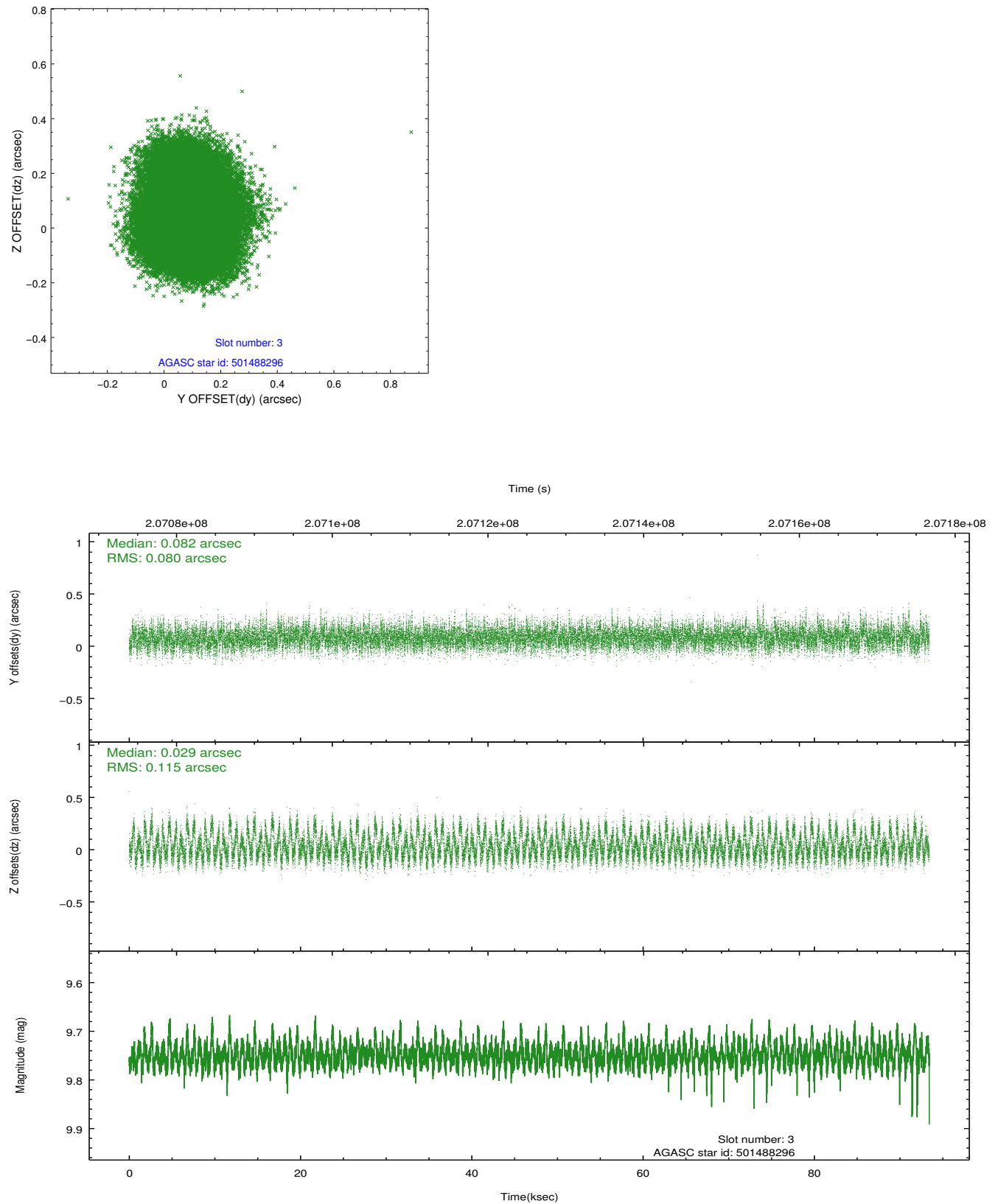
2.3 Aspect

Slot Statistics

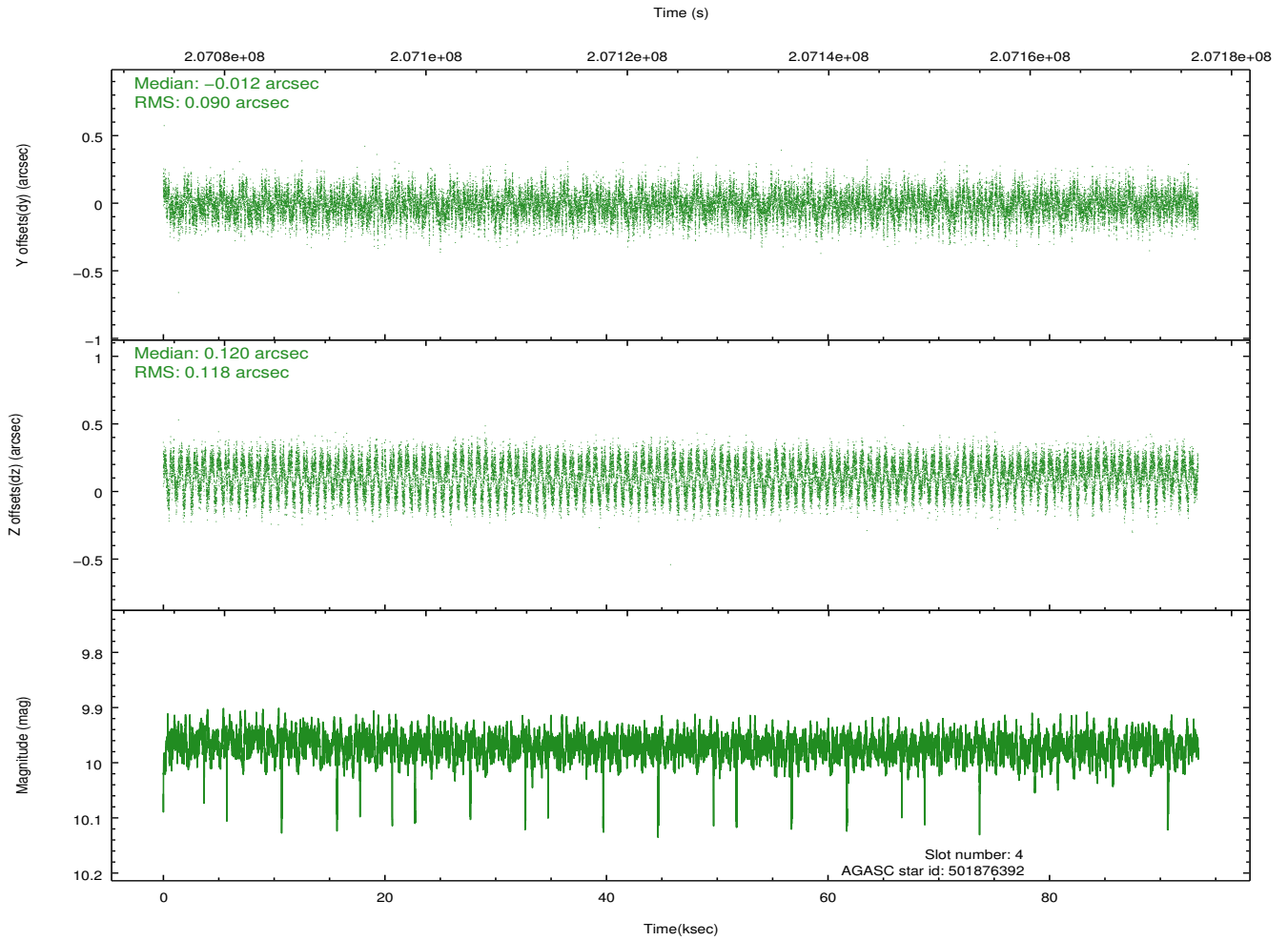
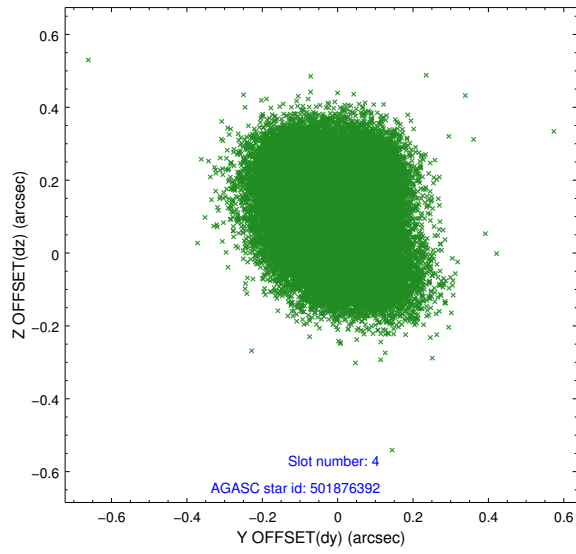
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	22787	-0.066	-0.025	0.008	0.016	0.000000	0.000000	-757.96	-1732.14
1	FID	ACIS-S-4	7.20	22787	0.112	0.038	0.007	0.032	0.000000	0.000000	2155.50	176.53
2	FID	ACIS-S-5	7.23	22785	-0.077	-0.005	0.008	0.027	0.000000	0.000000	-1810.94	170.01
3	GUIDE	501488296	9.75	45446	0.082	0.029	0.151	0.237	164.354320	57.421227	1546.50	1197.75
4	GUIDE	501876392	9.97	45429	-0.012	0.120	0.161	0.249	163.284334	58.052427	-1491.92	799.47
5	GUIDE	501876472	8.99	45540	-0.058	0.008	0.100	0.165	163.621724	57.867447	-577.11	945.14
6	GUIDE	501877152	10.20	45532	0.094	-0.141	0.270	0.404	162.993087	58.162455	-2135.07	575.31
7	GUIDE	501877456	10.40	45532	-0.102	-0.019	0.202	0.338	162.372624	57.715843	-1519.18	-1324.75

2.4 Star Slots

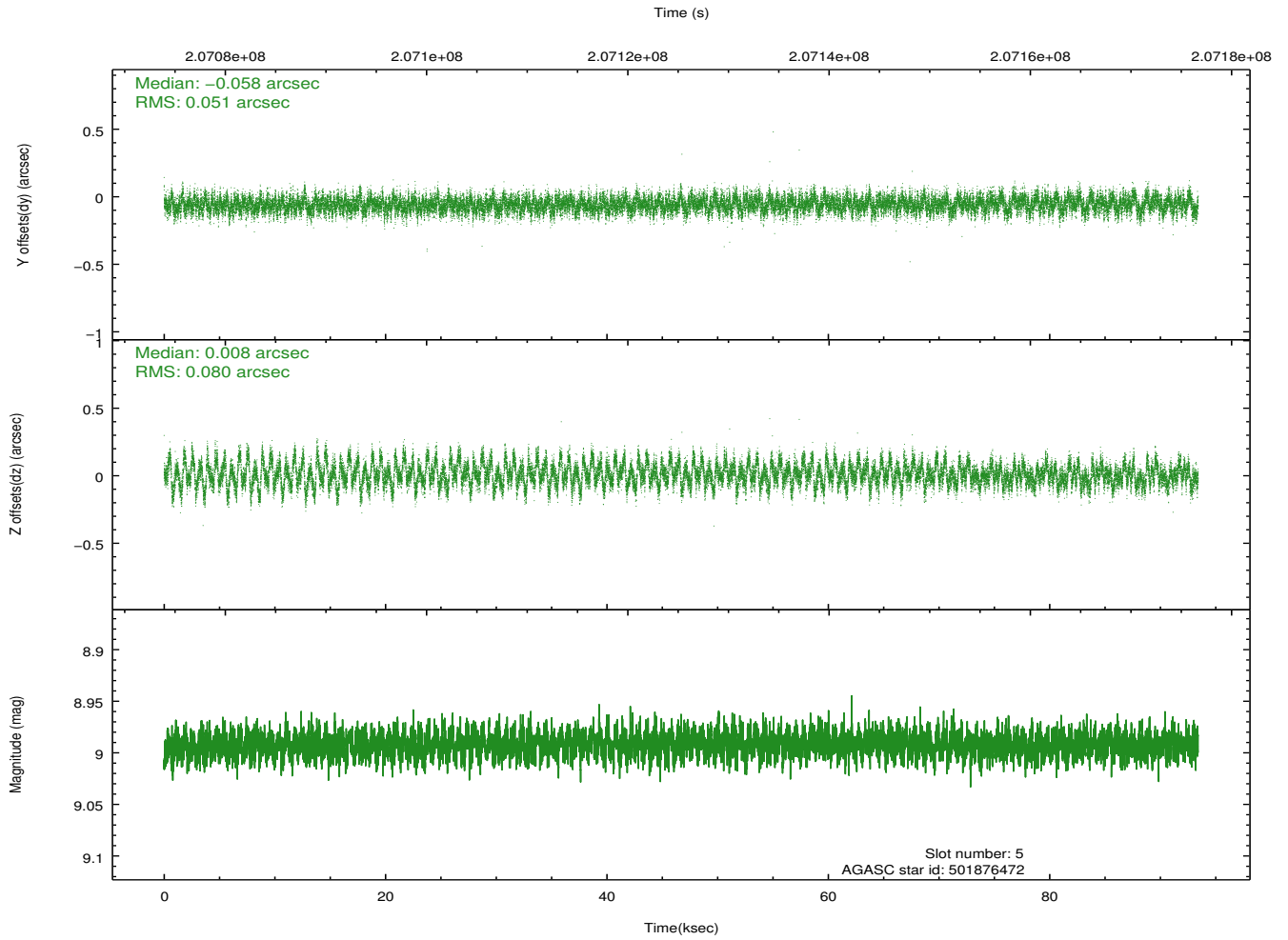
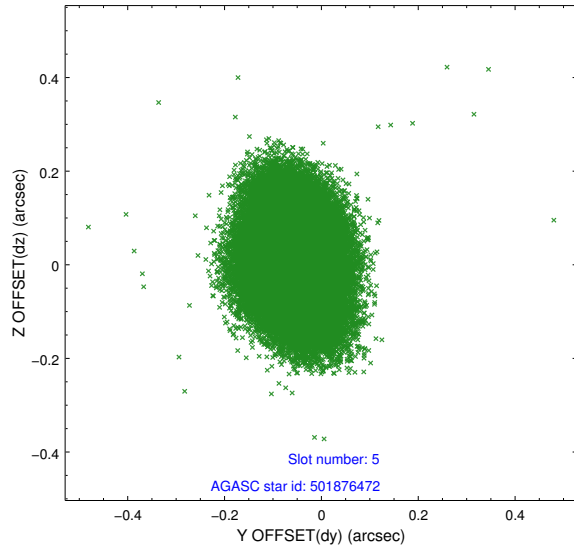
2.4.1 Slot 3



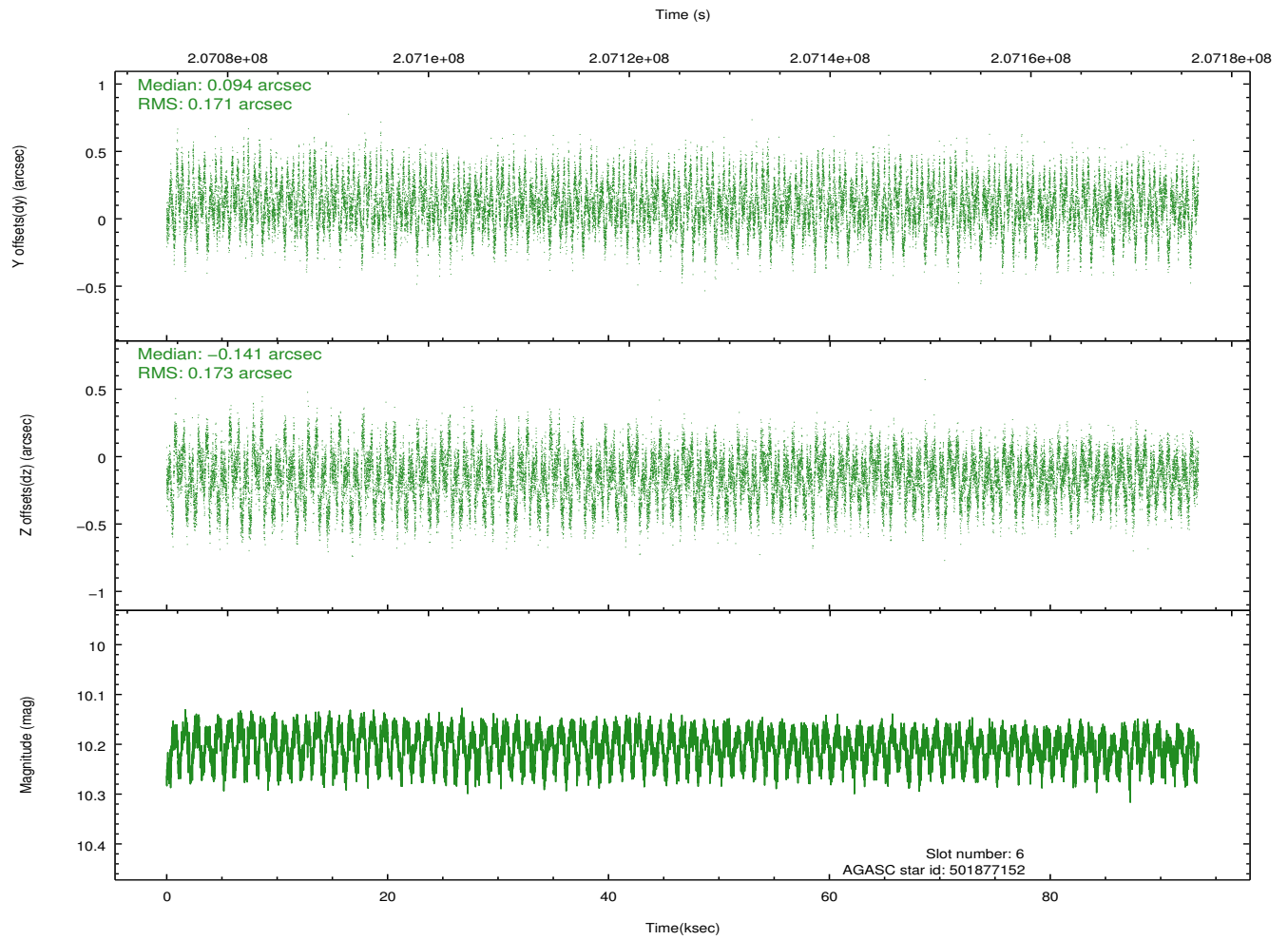
2.4.2 Slot 4



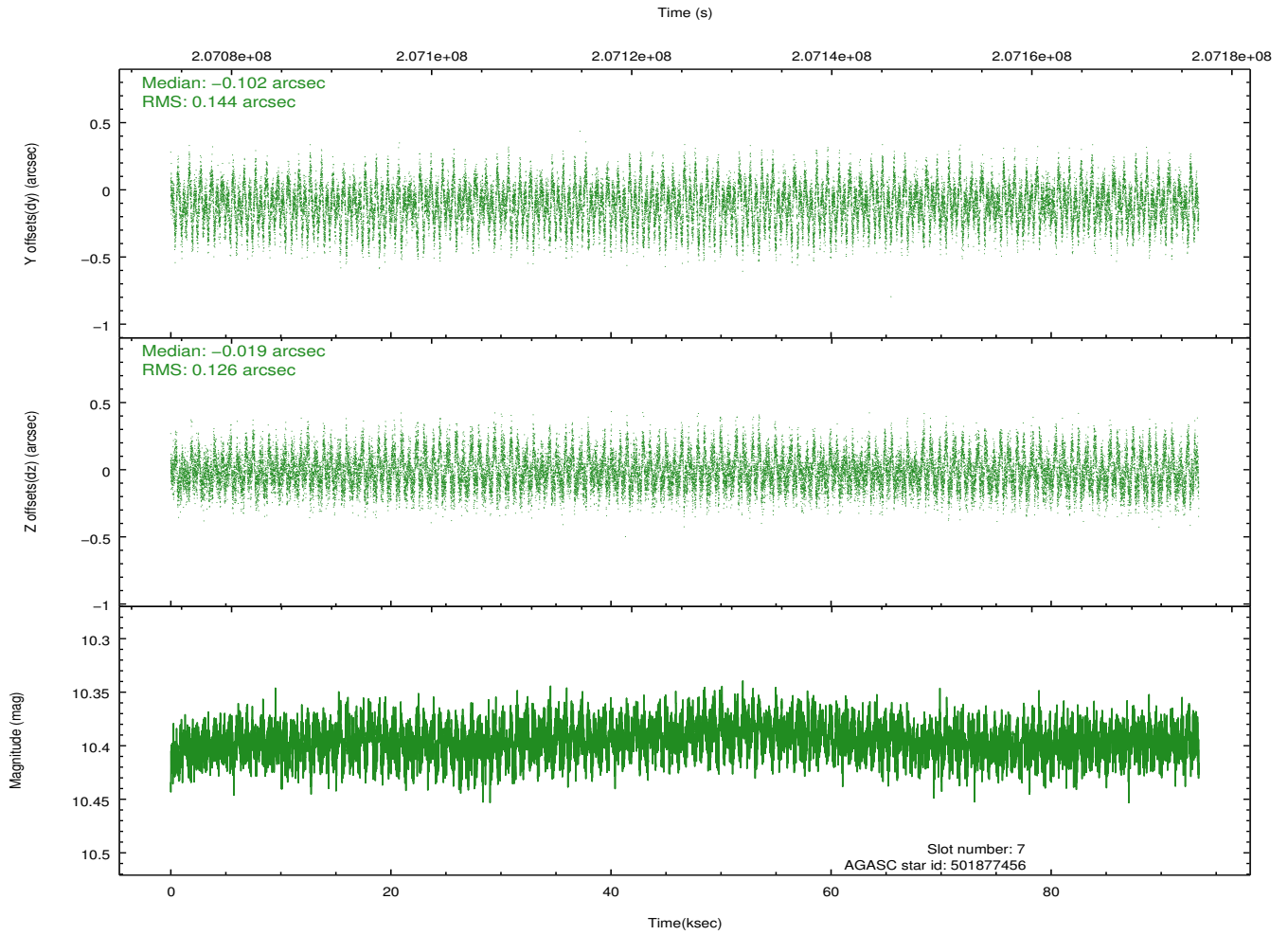
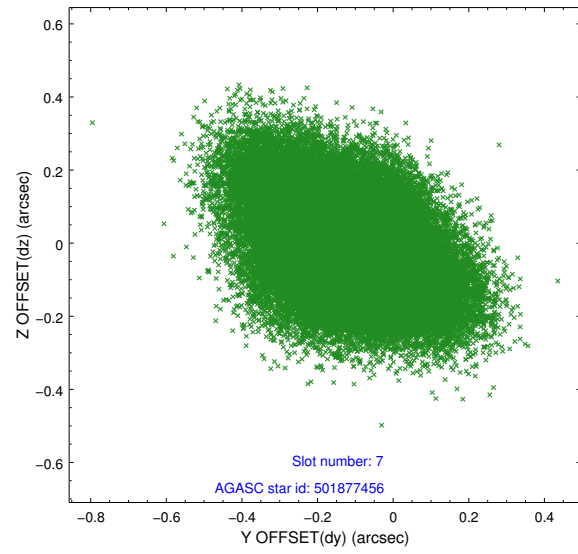
2.4.3 Slot 5



2.4.4 Slot 6

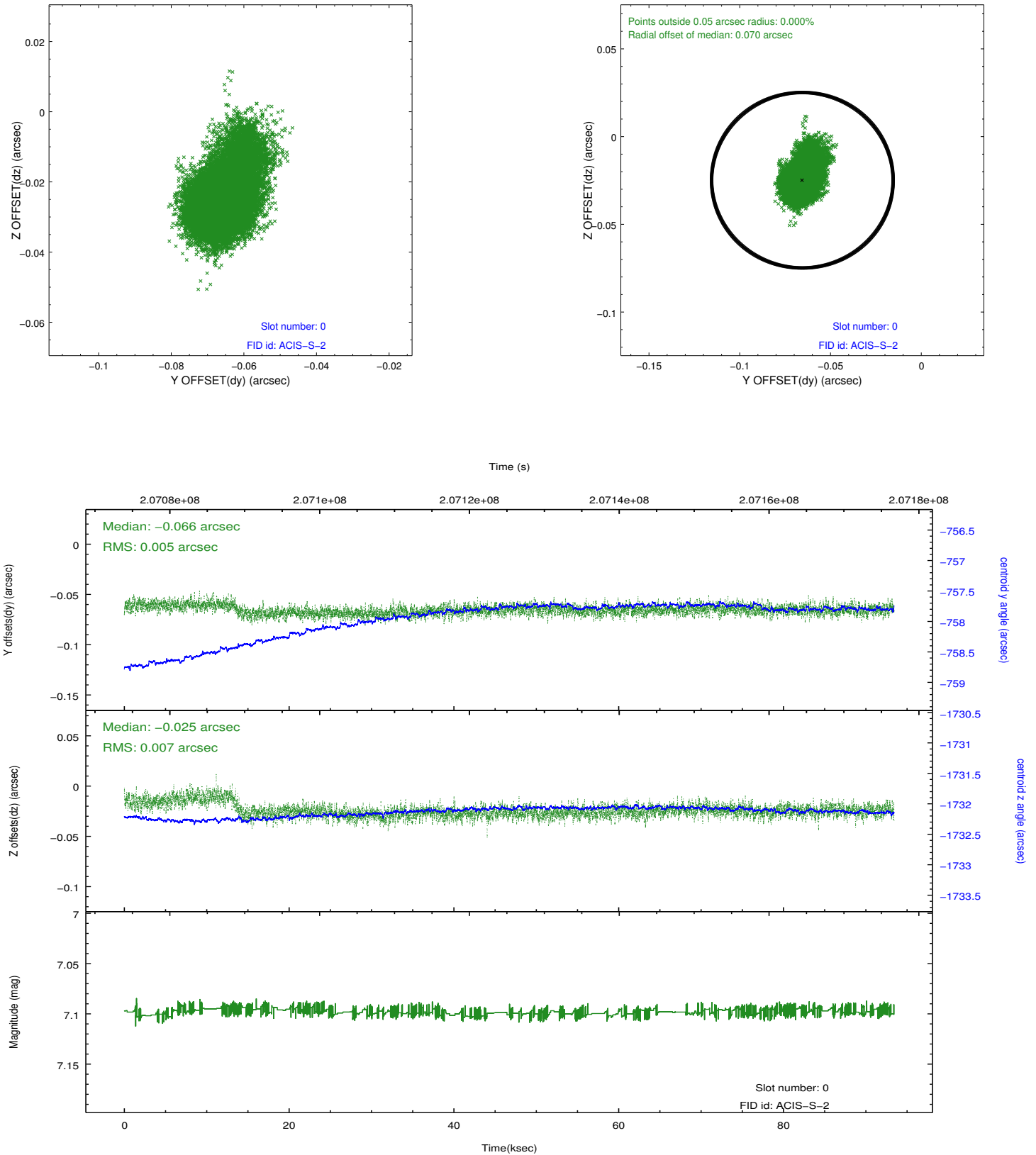


2.4.5 Slot 7

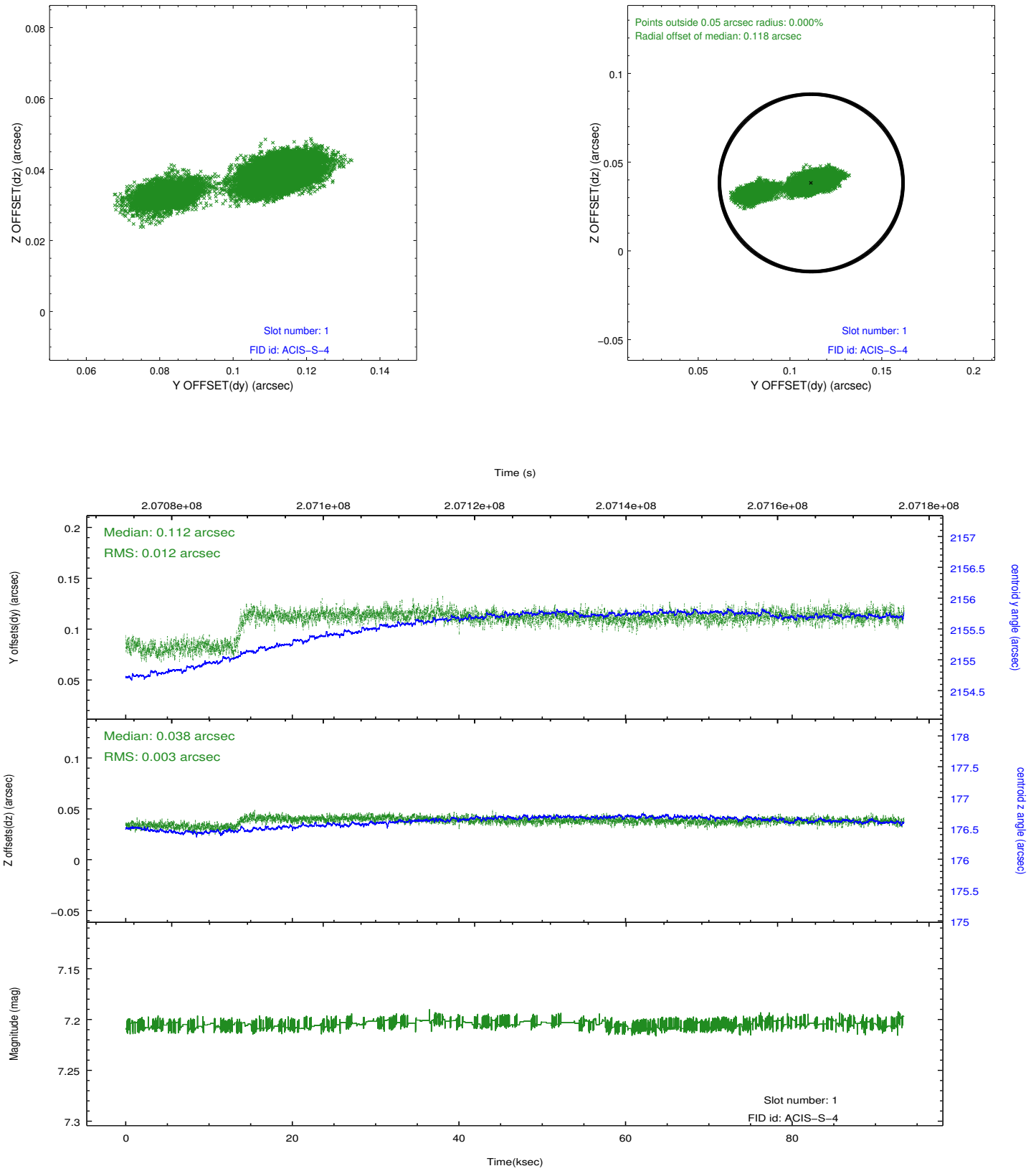


2.5 FID Slots

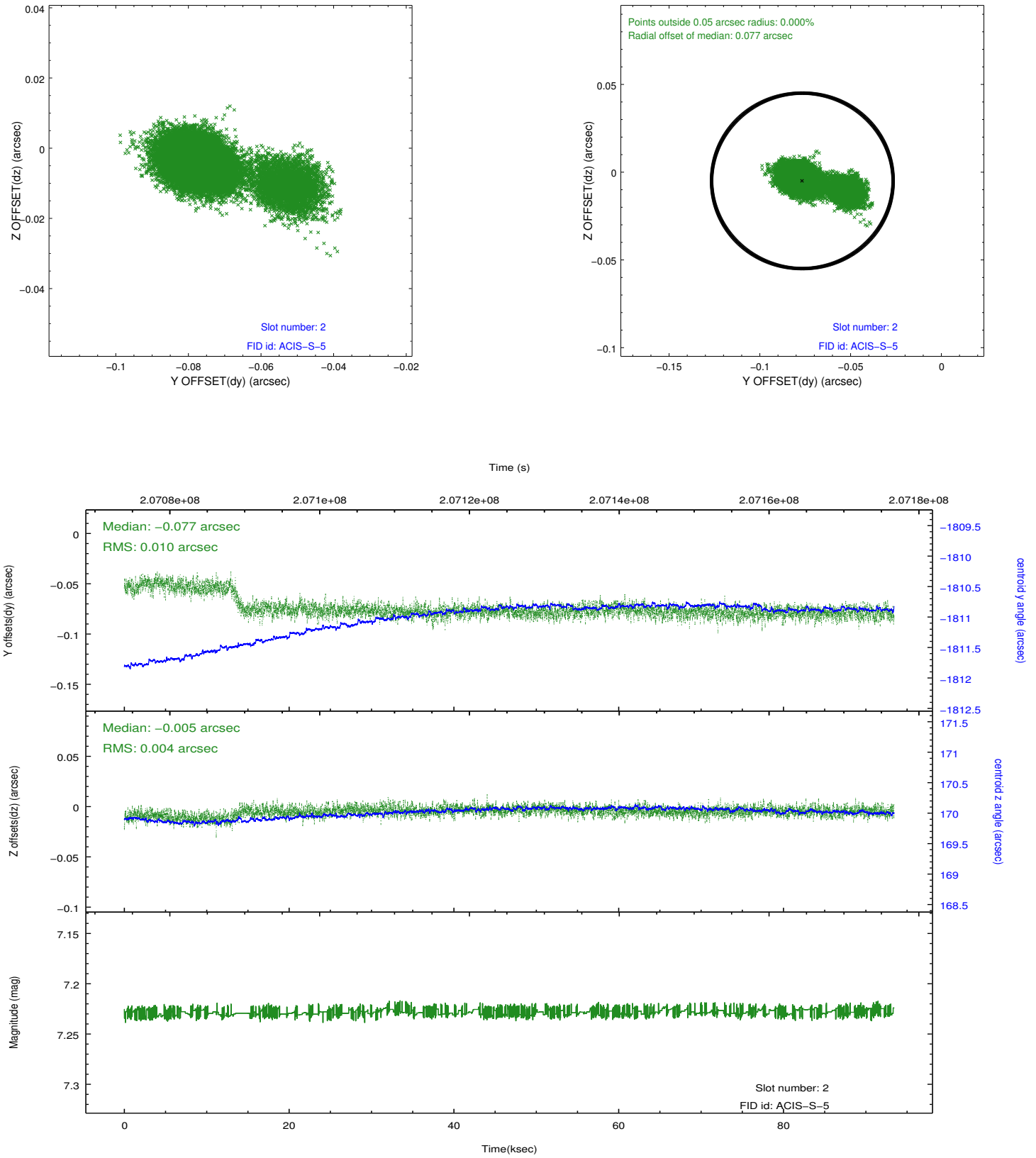
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	93.42

A.2 Comments